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TEST REPORT

Project	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04
Client	Bruhat Bangalore Mahanagara Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/S, KRIDL Banglore
Sample ID	Cement
Date of Sample Tested	24/05/18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	52 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	385 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

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Sample ID	Cement
Date of Sample Tested	24/05/18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	52 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	374 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

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Sample ID	Cement
Date of Sample Tested	24/05/18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	50 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	370 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

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Contractor	M/S, KRIDL Banglore
Sample ID	Cement
Date of Sample Tested	24/05/18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	45 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	381 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	

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Clients	Bruhat Bangalore Mahanagara Palike
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Contractor	M/S, KRIDL Banglore

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	24/05/18
Period of Soaking	**24 hours**	**Date of Testing**	24/05/18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	640	650	658	
B	Weight of oven - dry sample gm.	632	642	650	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1680	1680	1680	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.689	2.620	2.569	**2.626**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.266	1.246	1.231	**1.248**

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Contractor	M/S, KRIDL Banglore

SIEVE ANALYSIS

Total Weight:	**3000**	gms			
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	230	230	7.67	92.33	**90 - 100**
2.36 mm	270	500	16.67	83.33	**75 - 100**
1.18 mm	520	1020	34.00	66.00	**55 - 90**
0.600 mm	535	1555	51.83	48.17	**35 -59**
0.300 mm	660	2215	73.83	26.17	**8-30**
0.150 mm	555	2770	92.33	7.67	**0 - 10**
Pan	230	3000			**-**
Remarks :	Satisfactory / Not Satisfactory				

Consultant's Representative

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TEST REPORT

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Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/S, KRIDL Banglore

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	24/05/18
Period of Soaking	**24 hours**	**Date of Testing**	24/05/18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	615	625	635	
B	Weight of oven - dry sample gm.	607	617	627	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1660	1670	1670	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.639	2.683	2.613	**2.645**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.318	1.297	1.276	**1.297**

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Contractor	M/S, KRIDL Banglore

SIEVE ANALYSIS

Total Weight:	**3000** gms				
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	240	240	8.00	92.00	**90 - 100**
2.36 mm	262	502	16.73	83.27	**75 - 100**
1.18 mm	420	922	30.73	69.27	**55 - 90**
0.600 mm	435	1357	45.23	54.77	**35 -59**
0.300 mm	958	2315	77.17	22.83	**8-30**
0.150 mm	500	2815	93.83	6.17	**0 - 10**
Pan	185	3000			- -
Remarks :	Satisfactory / Not Satisfactory				

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Contractor	M/S, KRIDL Banglore

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	24/05/18
Period of Soaking	**24 hours**	**Date of Testing**	24/05/18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	645	623	634	
B	Weight of oven - dry sample gm.	637	615	626	
C	Weight of Pycnometer Filled with water gm	1275	1275.	1275	
D	Weight of Pycnometer + sample + water gm	1680	1670	1670	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.654	2.697	2.619	**2.657**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.256	1.301	1.278	**1.278**

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SIEVE ANALYSIS

Total Weight:	**3000** gms				
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	230	230	7.67	92.33	**90 - 100**
2.36 mm	310	540	18.00	82.00	**75 - 100**
1.18 mm	450	990	33.00	67.00	**55 - 90**
0.600 mm	480	1470	49.00	51.00	**35 -59**
0.300 mm	800	2270	75.67	24.33	**8-30**
0.150 mm	540	2810	93.67	6.33	**0 - 10**
Pan	190	3000			- -

Remarks : Satisfactory / Not Satisfactory

Consultant's Representative

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FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	24/05/18
Period of Soaking	**24 hours**	**Date of Testing**	24/05/18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	640	635	620	
B	Weight of oven - dry sample gm.	632	627	612	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1680	1670	1660	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.689	2.613	2.604	**2.635**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.266	1.276	1.307	**1.283**

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